

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
 John SANTHOFF.)
)
 Serial No.: To be assigned)
)
 Filed: April 7, 2004)
)
 For: ULTRA-WIDEBAND)
 COMMUNICATION THROUGH)
 A WIRED NETWORK)

Carlsbad, California

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

In accordance with 37 C.F.R. § 1.56, Applicants make the documents listed on the enclosed form PTO/SB/08 (submitted in duplicate) of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

Copies of the U.S. patents and U.S. patent application publications listed on the enclosed form PTO/SB/08 are not enclosed, in accordance with the waiver of the requirement of 37 C.F.R. § 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 that appears in the Official Gazette Notice (Week No. 31) dated August 5, 2003 and entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003".

However, this utility patent application is a continuation of co-pending United States patent application Serial Number 10/177,292, which includes a PTO/SB/08 form and copies of the references cited therein.

It is respectfully requested that the documents listed on the enclosed form PTO/SB/08 be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a copy of the enclosed form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

This Information Disclosure Statement is filed within three months of the filing date of the above-identified application, pursuant to 37 C.F.R. 1.97(b). Therefore, it is believed that no fee is required in connection with this submission.

Respectfully submitted,

April 7, 2004
Date

Peter Martinez
Peter Martinez
Reg. No. 42,845
Attorney for Applicant

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	to be assigned
Filing Date	April 7, 2004
First Named Inventor	John Santhoff
Art Unit	to be assigned
Examiner Name	to be assigned
Attorney Docket Number	029C-125

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,728,632	04-17-1973	Ross	
		US- 4,641,317	02-03-1987	Fullerton	
		US- 4,743,906	05-10-1988	Fullerton	
		US- 4,813,057	03-14-1989	Fullerton	
		US- 4,815,106	03-21-1989	Propp	
		US- 4,864,589	09-05-1989	Endo	
		US- 4,979,186	12-18-1990	Fullerton	
		US- 5,051,720	09-24-1991	Kittirutsuneton	
		US- 5,363,108	11-08-1994	Fullerton	
		US- 5,491,463	12-13-1996	Sargeant	
		US- 5,677,927	09-10-1996	Lee	
		US- 5,677,927	10-14-1997	Fullerton	
		US- 5,687,169	11-11-1997	Fullerton	
		US- 5,729,607	03-17-1998	Defries et al.	
		US- 5,745,837	04-28-1998	Propp et al.	
		US- 5,832,035	11-03-1998	Fullerton	
		US- 5,864,284	01-26-1999	Sanderson	
		US- 5,937,342	08-10-1999	Kline	
		US- 5,940,387	08-17-1999	Humpleman	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	to be assigned
Filing Date	April 7, 2004
First Named Inventor	John Santhoff
Art Unit	to be assigned
Examiner Name	to be assigned
Attorney Docket Number	029C-125

Sheet 2 of 3**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,960,031	09-28-1998	Fullerton et al.	
		US- 5,963,581	10-05-1999	Fullerton et al.	
		US- 5,982,276	11-09-1999	Stewart	
		US- 5,995,534	11-30-1999	Fullerton et al.	
		US- 6,031,862	02-29-2000	Fullerton et al.	
		US- 6,040,759	03-21-2000	Sanderson	
		US- 6,178,217	01-23-2001	DeFries et al.	
		US- 6,281,784	08-28-2001	Redgate et al.	
		US- 6,373,377	04-16-2002	Sacca et al.	
		US- 6,430,208	08-06-2002	Fullerton et al.	
		US- 6,437,832	08-20-2002	Grabb et al.	
		US- 6,497,656	12-24-2002	Evans	
		US- 6,505,032	01-07-2003	McCorkle et al.	
		US- 6,549,567	04-15-2003	Fullerton	
		US- 6,611,223	08-26-2003	Low et al.	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	to be assigned
--------------------	----------------

Filing Date	April 7, 2004
--------------------	---------------

First Named Inventor	John Santhoff
-----------------------------	---------------

Art Unit	to be assigned
----------	----------------

Examiner Name	to be assigned
---------------	----------------

Sheet	3	of	3	Attorney Docket Number	029C-125
-------	---	----	---	------------------------	----------

[illegible]

Examiner
Signature

Date
Considered

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.